

## CLAIMS

What is claimed is:

1. A metronome apparatus which indicates consecutive timing of takt, comprising:

first means for reading out data about each takt duration time stored in memory or media;

second means for measuring period of said duration time one by one:

third means for indicating the timing of passing of said measured period using visual, audio or other output.

2. A metronome apparatus claimed in claim 1, further comprising:

forth means for input of the takt timing with a button or other device operated by user for initial input or partial collection purpose;

fifth means for recording data acquired by forth means on memory or media.

3. A metronome apparatus which indicate consecutive timing of takt, comprising:

display for showing point of attention, which moves up and down;

wherein downward movement changes to upward movement at the timing of takt.

4. Computer readable memory containing computer program to indicates consecutive takt timing, said program comprising;

first program for reading out data about each takt duration time stored in memory or media and get takt duration time one by one:

second program for measuring period of said duration time one by one:

third program for indicating the timing of passing of said measured period by visual, audio or other

output.

5. Computer readable memory containing computer program claimed in claim 4, the program further comprising;

forth program for input of the takt timing from a mouse or other device operated by user for initial input or partial collection purpose:

fifth program for recording takt duration data on memory or media based on input by forth program.

6. Method of production of music minus one or karaoke, comprising;

first step for sound recording of full member performance:

second step for making duration data of each takt aligned with recording of the first step:

third step for sound recording of performance missing specific part, wherein the performance is played in the same tempo with the performance of the first step, by means of providing the duration data of each takt made in the step two to the metronome in claim 1 or computer program stored in memory in claim 4, and letting it tick the takt:

forth step for writing the recorded sound made in the third step on the media such as compact disk or producing copies of it.

7. Method claimed in claim6, wherein media is delivered in such way that duration data of each takt of second step is combined with recorded sound of the third step on the same media such as compact disk or on individual media.

8. Media holding takt duration data about music, performance or operation to be used on the apparatus claimed in claim 1 or used with computer program stored in memory claimed in claim 4.